

Tracy Volume Series

Investigator

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Summary

Research results from the Tracy Fish Facility Improvement Program (TFFIP) are published in peer-reviewed reports distributed as Tracy Series Volumes and Technical Bulletins. This study funds the activities of an editor, science editor(s), peer reviewers, and document preparation specialist to improve the quality and timeliness of reports for the Tracy Fish Facility Improvement Program. Thirty-eight Tracy Series Volumes and 4 Technical Bulletins, along with 12 Red Bluff Series Reports, scientific journal articles, and a doctoral dissertation have been published to date. While all of these reports were peer reviewed and are representative of good scientific standards, new reports published after May 2009 will benefit from a more consistent editorial process and document style. This project is essential to TFFIP's overall objectives to disseminate timely, high quality technical reports. These efforts will help enhance and solidify support and recognition of TFFIP.

Hard copy Tracy Series Reports are distributed by the Tracy Series Editor to Tracy collaborators, stakeholders, and the general public. Abstracts are submitted to the National Technical Information Service for computer abstracting, and abstracts and PDF versions of reports are posted on the Tracy Research Web Site. The following are Tracy Series Reports and Technical Bulletins that we anticipate completing and publishing in fiscal year 2010:

Volume 27 – Hanna, L., R. Bark, B. Siegle, M. Bowen., B. Mefford, P. Johnson, and R. Lopez. 2009. *Passive Separator Fish Sorting Studies for Tracy Fish Salvage Facilities*.

Volume 44 – Wang, J.C.S. and illustrations by René C. Reyes. 2010. *Fishes of the Sacramento-San Joaquin River Delta and Adjacent Waters, California: A Guide to the Early Life Histories*.

Volume 45 – Bark, R., W. Frizell, and B. Wu. 2010. *Sonic Tag Tracking Studies of Striped Bass Passage at the Tracy Fish Collection Facility*.

Special Web-based Publication – Wang, J.C.S. 2010. *Fishes of the Sacramento-San Joaquin Estuary and Adjacent Waters, California: A Guide to the Early Life Histories*. Original publication: Interagency Ecological Program Technical Report Number 9.

Tech. Bul. 2010-1 – Sutphin, Z. and J. Morinaka. 2010. *Evaluation of Calcein Immersion for Batch-Marking Fish: Survivability and Mark Retention in Delta Smelt and Sacramento Splittail.*

Tech. Bul. 2010-2 – Reyes, R.C. 2010. *Early Life Stage Descriptions of Three Common Ictalurids from the Sacramento-San Joaquin River Delta, California.*

Technical Bulletin 2010-3 – Portz, D.E., C. Yip, D. Pucherelli, C. Hueth, and B. Mefford. 2010. *The Use of Strobe Lights and Sound Wave Deterrents to Reduce Striped Bass Predation on Chinook Salmon and Delta Smelt.*

Problem Statement

Early TFFIP reports received informal peer review and revisions. Research proposals and publication of Tracy Series Reports now follow more formal procedures outlined in Tracy Series Volume 13 Revised and Expanded, *Guidelines for Research and Authorship*. As TFFIP research has expanded and outside interest increased, the need for defining quality assurance procedures and good scientific standards, along with a consistent editorial process and scientific peer review have been implemented. This project is fundamental to the overall program objectives for TFFIP and is the primary product of the program.

Goals and Hypotheses

Goals:

1. Provide better control and quality of technical reports by formalizing peer review and editorial activities.
2. Provide more organized and effective public distribution of Tracy Series Reports.
3. Maintain schedule for Tracy Series publications under newly revised publication process. We anticipate publication of possibly seven Tracy Series Reports and at least two Technical Bulletin in FY 2011. The following are Tracy Reports currently in process and planned for FY 2011 Publication:

Volume 43 – Zehfuss, K., D. Sisneros, J.E. Boutwell, and B. Bridges. 2010. *Evaluation of Various Mechanical Debris Systems for the Removal of Naturally Incoming Debris at the Tracy Fish Collection Facility, Tracy, California.*

Volume 47 – Bowen, M. and C. DeMoyer. 2010. *Delta Smelt Salvage Efficiency: Effects of Primary Channel Velocity and Predator Removal.*

Volume 48 – Karp, C. and J. Lyons. 2010. *Evaluation of the Holding Tank on Delta Smelt (*Hypomesus transpacificus*).*

Volume 49 – Portz, D.E. 2010. *Evaluation of Fish-Friendly Vacuum Pump Systems to Remove Salvaged Fish from Recessed Cylindrical Holding Tanks at the Tracy Fish Collection Facility.*

Volume 50 – Portz, D.E. and Z. Sutphin. 2011. *Effects of Fin Clipping for DNA Sampling on Physiological Stress, Swimming, and Survival of Chinook Salmon.*

Volume 51 – Hanna, L., C. Karp, and J. Lyons. 2011. *Vertical Sorting of Fish Using a V-shaped Separator.*

Volume 52 – Karp, C. and J. Lyons. 2011. *Evaluation of Fish Behavior Upstream and Downstream of the Mitten Crab Traveling Screen at the Tracy Fish Collection Facility.*

Technical Bulletin 2011-1 – Bark, R., B. Bridges, and M. Bowen. 2010. *Predator Impacts on Salvage Rates of Juvenile Chinook Salmon and Delta Smelt.*

Technical Bulletin 2011-2 – Kubitschek, J. and C. Karp. 2010. *Tracy Experimental Laboratory Facility Investigations: Leaky-Louver Development.*

4. Peer-review TFFIP research proposals to add scientific rigor and standards

Materials and Methods

This activity will follow standard editorial practices for peer-reviewed technical publications, as outlined in the Volume 13 Revised and Expanded, *Guidelines for Research and Authorship* (Portz *et al.* 2009). Style follows standards published in the *Government Printing Office Style Manual* (U.S. Government Printing Office 2000), and *The Chicago Manual of Style* (University of Chicago 1993) for grammar and style issues not covered by the Government Printing Office. Other applicable standards include application of SI (*Système Internationale d'Unités*) metric units (Bureau of Reclamation 1978), biological terminology and usage following American Fisheries Society (AFS) recommendations (Hunter 1990), chemical and water quality terms following American Chemical Society (ACS) guidelines (Dodd 1986) and hydraulic and civil engineering terminology following American Society of Civil Engineers (ASCE) guidelines (ASCE 2007). Statistical nomenclature should conform to American Statistical Association (2007) standards.

Coordination and Collaboration

The Tracy Series Editor coordinates with TFFIP Manager and the Research Coordinator on policy and scheduling, and with principal investigators and authors in conjunction with TTAT members and others involved with peer review. Preparation of each report layout is coordinated with the document preparation specialist, printers, and contractors.

Endangered Species Concerns

None.

Dissemination of Results (Deliverables and Outcomes)

We anticipate publishing at least six Tracy Series Volumes and one Technical Bulletin in FY 2010, depending on the number submitted to the editor. Technical updates at Tracy Technical Advisory Team Meetings may be given upon request.

Literature Cited

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